

Nova Primary Knowledge Organiser

Line of enquiry:
Why should we care about the environment?

Year 3 Term 5 & 6

Big idea: Preserve and protect

Key subject areas: Science and Geography

What should I already know?

The basic needs of animals for survival: **water, food** and **air**.

Understand that animals and plants live in different **habitats** and know the names of a variety of plants and animals.

Understand how animals and plants depend on each other for **survival** and describe how animals obtain their food, using the idea of a **food chain**, and identify **sources of food**.

Explain how plants need **water, light** and a suitable **temperature** to grow and stay healthy.

Use maps, atlases and globes to locate and name **countries, continents** and **oceans** and identify hot and cold **regions** around the world.

Ask questions and answer in different ways.

Perform tests, observe closely and using simple equipment.

Plant Lifecycle

Germination



Roots



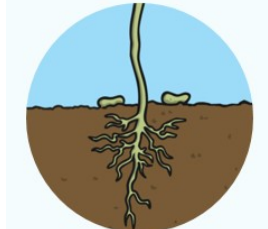
Leaves



Flowering



Seed dispersal



What will I know by the end of this line of enquiry?

- The functions of different parts of plants
- Understand the role flowers play in the lifecycle of plants
- Explain how the needs of different plants vary
- Identify different South American countries
- Know the geographical characteristics of South America
- Understand the features of the rainforest
- Understand similarities and differences between the United Kingdom and a region of South America
- Understand about climate zones, the vegetation belt and the water cycle
- Describe human land use, economic activity and its environmental impact
- Understand the 3Rs: Reduce, Reuse, Recycle

Key vocabulary

Conservation	Protecting and looking after nature
Deforestation	Cutting down, clearing and removing rainforests
Ecosystem	All living and non-living things in an area
Endangered	Plants or animals that are at risk of dying out (becoming extinct)
Environment	All our surroundings on Earth
Fertilisation	When the parts of a flower have mixed to produce new seeds
Germination	When a seed begins to grow
Habitat	The home of any animal or plant
Nutrients	Substances in the soil that plants need to help them grow
Photosynthesis	Plants using sunlight to produce energy to help them grow
Pollination	When pollen is moved between parts of a flower to fertilise it
Pollution	Human damage or harm caused to the environment
Sustainable	Being careful about how natural resources are used so they don't run out
Tropical	Places near the equator that have warm, damp climates